

Claims

1. A halogen-free, phosphorus-free, flame-resistant wrapping foil of polyolefin, comprising carbon black and metal hydroxide, the wrapping foil having an FMVSS 302 horizontal-sample flame spread rate below 200 mm/min, and optionally being self-extinguishing under the test conditions specified in FMVSS 302.
2. The wrapping foil of claim 1, wherein the metal hydroxide is aluminum hydroxide.
- 10 3. The wrapping foil of claim 1, wherein the metal hydroxide content is more than 120 phr.
4. The wrapping foil of claim 1, wherein the carbon black fraction is at least 5 phr and/or the carbon black has a pH of 6 to 8.
- 15 5. The wrapping foil of claim 1, which comprises at least one polypropylene having a flexural modulus of less than 900 MPa and/or a crystallite melting point of between 120°C and 166°C.
- 20 6. The wrapping foil of claim 1, which has a thickness of 30 to 180 µm and exhibits a force in a machine direction at 1% elongation of 0.6 to 5 N/cm, a force at 100% elongation of 2 to 20 N/cm, and/or a crystallite melting point of the polypropylene copolymer of less than 166°C.
- 25 7. The wrapping foil of claim 1, which comprises polypropylene polymer and also ethylene-propylene copolymers from the classes of EPM and EPDM copolymers.
- 30 8. The wrapping foil of claim 1, which has on one or both sides, a layer of adhesive, and optionally a primer layer between foil and adhesive layer, the amount of the adhesive layer being in each case 10 to 40 g/m², and the adhesive exhibiting, a bond strength to steel of 1.5 to 3 N/cm, an unwind force of 1.2 to 6.0 N/cm at 300 mm/min unwind speed, and/or
- 35 9. a holding power of more than 150 min.

9. The wrapping foil of claim 1, which has a solvent-free pressure-sensitive adhesive produced by coextrusion, melt coating or dispersion coating, said adhesive being joined to the surface of the carrier foil by means of a flame or corona pretreatment or of a layer of adhesion promoter which is applied by coextrusion or coating.
5
10. The wrapping foil of claim 1, which exhibits an oxygen index (LOI) above 20%.
11. A method of bundling, protecting, labeling, insulating or sealing air-supply pipes or
10 wires or cables and for wrapping cable looms in vehicles or field coils for picture tubes comprising wrapping said pipes, wires or cables with a wrapping foil according to claim 1.